Land Acquisition and Resettlement Due Diligence Report

Document stage: Draft for consultation
Project number: 42266
April 2016

IND: Kolkata Environmental Improvement Investment Program
(TR2 SD14)


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CURRENCY EQUIVALENTS
(as of 22 April 2016)

Currency unit = Rupee (INR)
INR 1.00 = USD 0.01504
USD 1.00 = INR 66.4893

ABBREVIATIONS

ADB - Asian Development Bank
BPL - Below Poverty Line
DH - Diamond Harbour Road
GAP - Ganga Action Plan
IR - Involuntary Resettlement
KEIP - Kolkata Environmental Improvement Project
KEIIP - Kolkata Environmental Improvement Investment Program
KMC - Kolkata Municipal Corporation
MFF - Multi-tranche Financing Facility
NOC - No Objection Certificate
ROW - Right of Way
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1. Summary of Community Consultation
I. INTRODUCTION

A. Background

1. On 26 September 2013, the Asian Development Bank (ADB) approved the provision of loans under a multitranch financing facility (MFF) for the Kolkata Environmental Improvement Investment Program (KEIIP or the Investment Program) for an aggregate amount not to exceed $400 million. The impact of the Investment Program will be improved access to water supply and sanitation in Kolkata Municipal Corporation (KMC). The outcome will be improved water supply, sewerage and drainage service quality and operational sustainability in selected areas of KMC. KEIIP has three outputs: (i) inefficient water supply assets rehabilitated; (ii) sewerage extension to peripheral areas continued;\(^1\) and (iii) financial and project management capacity further developed. KMC is KEIIP’s executing agency. A project management unit (PMU) created under KMC is implementing KEIIP.

2. The first loan under it, Tranche 1 or Loan 3053-IND, amounting to $100 million, was approved by ADB on 22 October 2013, signed on 3 March 2014 and made effective on 30 May 2014. Project 1, supported by tranche 1, included subprojects for improvement of infrastructure, operations and sustainability in sewerage, drainage and water supply in KMC.

3. The proposed Project 2, supported by the proposed tranche 2 of KEIIP, will include physical and non-physical investments in water supply and sanitation improvement in KMC. Project 2 is aligned with improved access to water supply and sanitation in KMC as defined by the Investment Program.

4. A total of six subprojects prioritizing sewerage and drainage work are prioritized under Project 2, including: (i) sewerage and drainage work and construction of 1 pumping station in ward no. 114 (package TR-2 SD 01); (ii) development of sewerage and drainage network in Rania box catchment including outfall structure (package TR-2 SD 02); (iii) development of sewerage and drainage network in Rania box catchment and Vivekananda Road catchment including one combined pumping station and outfalls (package TR-2 SD 03); (iv) laying of a trunk sewer along James Long Sarani (package TR-2 SD 04); (v) development of sewerage and drainage network including outfall structures in wards 123 and 124 (package TR-2 SD 05); and (vi) sewerage and drainage network in boroughs XIII and XIV (package TR-2 SD 06). Non-priority packages for sewerage and drainage under Project 2 include: (i) sewerage and drainage mains and 2 pumping stations (augmentation of Keorapukur MPS) in Tolly’s Nullah/Keorapukur Sub-basin in Borough XIII (Ward 115 and part of Ward 122); and (ii) Construction of new pumping station at Lalababu Nikashi/Bagjola Canal.

B. Scope of this Report

5. This land acquisition and resettlement due diligence report is prepared for the proposed contract package TR-2/SD 14, under which lateral sewers in parts of KMC wards 116, 122, 123 under Borough XIII, and in parts of wards 128 to 132 under Borough XIV, are proposed. The subproject is proposed to provide 100% coverage of sewerage and drainage network in the proposed coverage area.

\(^1\) The 1899 Calcutta Municipal Act defined the administrative domain of the municipal authority as covering 25 wards and having an areal extent of 48.5 square kilometers. Many boundary changes followed, the latest one in January 1984 when Boroughs XI, XII, XIII, XIV and XV were annexed to KMC. These boroughs in the peripheral areas are popularly known as “added areas”.
6. A due diligence process was conducted to examine the land acquisition and resettlement issues in detail, in line with ADB SPS 2009. This report describes the findings and provides copies of relevant documents, resolutions, minutes of meetings and photographs. This land acquisition and resettlement due diligence report needs to be read along with the Resettlement Framework prepared for KEIIP.

7. Upon project implementation, the Officer designated for social safeguards at PMU will be required to undertake a review of this due diligence, prepare a confirmation letter or report documenting any modifications for the subproject and submit to ADB; and receive a ‘no objection’ confirmation from ADB prior to start of construction in the subproject.

II. SUBPROJECT DESCRIPTION

8. The new areas added to the city of Kolkata after 1984 (‘added areas’) have major sewage and drainage disposal problems. Major portions of the added areas are devoid of any organized drainage system and served only by surface drainage system carrying both sullage and storm runoff. The proposed subproject lays special emphasis on minimizing the drainage problems in a section of the added area, and aims to contribute to its overall environmental upgradation.

9. The proposed components under package TR-2/SD 12 pertain to laying of lateral sewers in Borough XIII (parts of wards 116, 122 and 123) and Borough XIV (parts of wards 128 to 132). Lateral sewers are proposed to be laid only along roads where no sewer line is found, or, the roads presently having only open surface drains. Existing sewers / covered drains within the subproject area are proposed to be retained. The aim is therefore to achieve 100% coverage of the proposed area by the S&D system.

10. The proposed coverage area is growing fast in terms of population, creating pressure on the available infrastructure facilities, primarily sewerage and drainage (S&D), and needs an early intervention to develop an adequate S&D system. Under KEIP, only trunk S&D networks were laid, along with construction of pumping stations, STPs and outfalls, with the intention of serving the proposed coverage area under TR-2/SD 12 and other areas. Though some secondary sewers had been laid by KMC, the entire area intended for coverage is not yet covered or receiving the desired benefits of the works executed earlier under KEIP, due to absence of secondary and tertiary sewer lines in major portions of the area.

11. In view of the above, the objectives of the subproject under Project 2 package TR-2/SD 14 are as follows:
   (i) To develop sewerage and drainage network on priority basis that in turn will help improve environmental conditions in the subproject coverage area
   (ii) To provide respite from water-logging conditions within the subproject area
   (iii) To divert sewage generated within the subproject area to Sewage Treatment Plan (STP) through the trunk sewer line laid under the first phase of KEIP.
III. FIELD WORK AND PUBLIC CONSULTATION

A. Outline of Field Work

12. In November and December 2015, field inspections were carried out at the subproject locations where lateral sewers are proposed to be laid. Stakeholder consultations were also conducted in those areas. Field inspections were carried out along the entire 61.4 Km pipeline alignment for lateral sewers, including Raja Ram Mohan Roy Road, Nabaliya Para Road, James Long Sarani, Nabaliya Para Road by-lane in Borough XIII, and Parui Das Para Road, Mahendra Banerjee Road, Naba Palli by-lane, Gopal Misra Road, Satyajit Ray Sarani, etc. in Borough XIV. All proposed lateral sewer lines under the contract package TR-2/SD 14 will be laid within existing public road RoWs owned by Kolkata Municipal Corporation (KMC).

B. Public Consultation

13. Stakeholder consultations were undertaken in line with ADB’s requirements pertaining to environment and social considerations. Meetings with stakeholders helped identify the felt needs, concerns and apprehensions of the communities related to the project, as well as their priorities. Discussions held with people residing near the proposed alignments and those having businesses near them revealed that people are aware of the existing drainage and sewerage issues. They shared that some of the areas have no sewerage and drainage facility and that presently, most of the area is served by private septic tanks. Some areas face severe water-logging problems during heavy rain in the monsoons. The community indicated willingness to cooperate for the proposed project.
### Table 1: Summary of Stakeholder Consultations

<table>
<thead>
<tr>
<th>DATE</th>
<th>LOCATION</th>
<th>NO OF PARTICIPANTS</th>
<th>Particular Status</th>
<th>Topic Discussed</th>
<th>Issues Raised</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&lt;sup&gt;th&lt;/sup&gt; Nov. 2015</td>
<td>Parui Das Para, Nabapally, KMC Ward No. 129.</td>
<td>4</td>
<td>18</td>
<td>81.82%</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Male</td>
<td>Female</td>
<td>% of Female</td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>18</td>
<td>81.82%</td>
<td>22</td>
</tr>
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<td></td>
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</tr>
</tbody>
</table>
IV. Land AVAILABILITY and resettlement impacts

A. Laying of Lateral Sewers

14. No land acquisition or resettlement impacts are anticipated for the proposed laying of lateral sewer lines under the contract package TR-2/SD 14 covering Borough XIII (parts of wards 116, 122 and 123) and Borough XIV (parts of wards 128 to 132). All civil works (pipe-laying) proposed under the package are within the ROW of public roads, owned and maintained by Kolkata Municipal Corporation (KMC). The roads include Raja Ram Mohan Roy Road, Nabaliya Para Road, James Long Sarani, Nabaliya Para Road by lane, in Borough XIII, and Parui Das Para Road, Mahendra Banerjee Road, Naba Palli By-lane, Gopal Misra Road, Satyajit Ray Sarani, and other roads under Borough XIV, through looping arrangements taking into consideration the width of each road. No additional land will be required for the proposed subproject and no structure will be affected due to the civil work undertaken for the laying of the lateral sewer lines.

15. Laying of sewer pipelines has been carefully planned to minimize excavation, disturbance to pedestrians and traffic, and avoid income loss to businesses, while minimizing road reconstruction costs. The proposed 61.4 kilometer lateral sewer line (Table 2) is proposed to be laid along different adjoining lanes of main roads where trunk sewers had already been laid by either KEIP or KMC, due to the following reasons: (i) no incident of tree cutting, (ii) minimal utility shifting/intervention, and (iii) comparatively easy lateral sewer connectivity.

<table>
<thead>
<tr>
<th>Project Component</th>
<th>Works considered to be taken up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of S&amp;D Network in Borough XIII &amp; XIV</td>
<td>Length of proposed lateral sewer to be laid under this package: approximately 61.4 km</td>
</tr>
<tr>
<td></td>
<td>• Length of proposed sewer (600 mm &amp; above): 0.8. Km</td>
</tr>
<tr>
<td></td>
<td>• Length of proposed sewer (below 600 mm dia): 60.6 Km</td>
</tr>
<tr>
<td></td>
<td>Connecting of the newly laid lateral sewers to the existing underground S&amp;D system of the area laid by KEIP or KMC.</td>
</tr>
</tbody>
</table>

16. The roads within command area of this catchment are generally narrow and difficult for laying of very large conduits. To overcome the problems ‘looping arrangement’ has been introduced within the network at strategic locations for effective flow diversion, thereby the sewer sizes could be optimised to match with the respective road widths. Table 3 provides the details of road widths and proposed pipe diameters.
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Road Name</th>
<th>Dia of Pipe</th>
<th>Borough</th>
<th>ROW</th>
<th>Trench Wide</th>
</tr>
</thead>
<tbody>
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<td></td>
<td><strong>Ward No.123</strong></td>
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<tr>
<td>1</td>
<td>Raja Rammohan Roy Road By Lane</td>
<td>250 to 300</td>
<td>XIII</td>
<td>4.0m to 4.7m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>2</td>
<td>Nabalia Para Road</td>
<td>250 to 300</td>
<td>XIII</td>
<td>2.5m to 4.0m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>3</td>
<td>James Long Sarani</td>
<td>250 to 300</td>
<td>XIII</td>
<td>3.7m to 4.8m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>4</td>
<td>Nabalia Para Road By Lane</td>
<td>250 to 500</td>
<td>XIII</td>
<td>4.8m to 5.1m</td>
<td>0.775m to 1.150m</td>
</tr>
<tr>
<td>5</td>
<td>Hemchandra Mukherjee Road By Lane</td>
<td>250 to 500</td>
<td>XIII</td>
<td>2.5m to 6.0m</td>
<td>0.775m to 1.150m</td>
</tr>
<tr>
<td></td>
<td><strong>Ward No.129</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Paruisaspara Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>4.0m to 4.7m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>2</td>
<td>Mahendra Banerjee Rd</td>
<td>250 to 300</td>
<td>XIV</td>
<td>3.6m to 4.2m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>3</td>
<td>Mahendra Banerjee By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.5m to 3.9m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>4</td>
<td>Nabapally By Road</td>
<td>500 to 600</td>
<td>XIV</td>
<td>4.5m to 4.7m</td>
<td>1.150m to 1.300m</td>
</tr>
<tr>
<td>5</td>
<td>Paruti kutcha Road</td>
<td>250 to 300</td>
<td>XIV</td>
<td>3.5m to 3.9m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>6</td>
<td>Paruti kutcha By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>4.0m to 4.7m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>7</td>
<td>Gopal Mishra Road</td>
<td>500 to 600</td>
<td>XIV</td>
<td>4.1m to 5.2m</td>
<td>1.150m to 1.300m</td>
</tr>
<tr>
<td>8</td>
<td>Trenching Ground Road</td>
<td>400 to 500</td>
<td>XIV</td>
<td>3.9m to 4.5m</td>
<td>1.00075m to 1.150m</td>
</tr>
<tr>
<td>9</td>
<td>Joyrampur Jala Road</td>
<td>250 to 300</td>
<td>XIV</td>
<td>4.0m to 4.7m</td>
<td>0.775m to 0.850m</td>
</tr>
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<td>10</td>
<td>Joyrampur Jala By Lane</td>
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<td>XIV</td>
<td>2.5m to 4.0m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
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<td>Ramkrishna Sarani By lane</td>
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<tr>
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<td>Mohendra Banerjee Road</td>
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<tr>
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<td>1.000m</td>
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<td>Sukanta Sarani</td>
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<td>3.8m to 6.7m</td>
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<td>1</td>
<td>Ho-Chi-Minh Nagar Rd</td>
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<td>XIV</td>
<td>2.5m to 4.0m</td>
<td>0.775m to 0.850m</td>
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<tr>
<td>2</td>
<td>Ho-Chi-Minh Nagar Rd By</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.0m to 3.8m</td>
<td>0.775m to 0.850m</td>
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<tr>
<td>3</td>
<td>Beldanga Road</td>
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<td>4</td>
<td>Kalipur Road</td>
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<td>XIV</td>
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<tr>
<td>Sl. No.</td>
<td>Road Name</td>
<td>Dia of Pipe</td>
<td>Borough</td>
<td>ROW</td>
<td>Trench Wide</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------</td>
<td>-------------</td>
<td>---------</td>
<td>---------</td>
<td>-----------------</td>
</tr>
<tr>
<td>5</td>
<td>Benimaster By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.2m to 2.9m</td>
<td>0.775m to 0.850m</td>
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<td>XIV</td>
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<td>1.000m</td>
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<td>XIV</td>
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<td>0.775m to 0.850m</td>
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<td>Ramnarayan Pally Rd</td>
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<td>Dr. A K Paul Road</td>
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<td>0.775m to 0.850m</td>
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<td>1.000m</td>
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<td>Biren Roy Road (WEST) By lane</td>
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<td>1.150m</td>
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<td>Fakir Para Road By Lane</td>
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<td>XIV</td>
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<td>0.775m to 0.850m</td>
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**Ward No.130**

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<th>Sl. No.</th>
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<th>Dia of Pipe</th>
<th>Borough</th>
<th>ROW</th>
<th>Trench Wide</th>
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<tr>
<td>1</td>
<td>Becharam Chatterjee Road By Lane</td>
<td>400</td>
<td>XIV</td>
<td>3.1m to 4.9m</td>
<td>1.000m</td>
</tr>
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<td>2</td>
<td>Unique Park Road</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.9m to 3.8m</td>
<td>0.775m to 0.850m</td>
</tr>
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<td>3</td>
<td>Siddhinath Chatterjee Road</td>
<td>250 to 300</td>
<td>XIV</td>
<td>3.4m to 4.4m</td>
<td>0.775m to 0.850m</td>
</tr>
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<td>4</td>
<td>Siddhinath Chatterjee Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.0m to 3.9m</td>
<td>0.775m to 0.850m</td>
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<td>5</td>
<td>Rishi Bamkim Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.1m to 3.9m</td>
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<td>Brahma Samaj Rd by Lane</td>
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<td>XIV</td>
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<td>Ramkrishna Sarani By Lane</td>
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<td>8</td>
<td>Kazi Para Rd By Lane</td>
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<td>9</td>
<td>Netaj Subhas Roadf By Lane</td>
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<td>XIV</td>
<td>2.1m to 3.3m</td>
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<td>10</td>
<td>Diamond Harbour Road By Lane</td>
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<td>XIV</td>
<td>3.2m to 4.4m</td>
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**Ward No.131**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Road Name</th>
<th>Dia of Pipe</th>
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<tbody>
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<td>1</td>
<td>Banamali Naskar Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.1m to 3.0m</td>
<td>0.775m to 0.850m</td>
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<td>2</td>
<td>Behala Flying Club Rd By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.2m to 4.3m</td>
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<tr>
<td>3</td>
<td>Sarat Chatterjee Road By Lane</td>
<td>250 to 300</td>
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</tr>
<tr>
<td>4</td>
<td>Upendra Nath Banerjee By Road</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.2m to 3.0m</td>
<td>0.775m to 0.850m</td>
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**Ward No.132**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Road Name</th>
<th>Dia of Pipe</th>
<th>Borough</th>
<th>ROW</th>
<th>Trench Wide</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Banamali Naskar Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.3m to 3.1m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>2</td>
<td>Pathak Para Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.0m to 3.5m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>3</td>
<td>Banerjee Para Road By Lane</td>
<td>250 to 300</td>
<td>XIV</td>
<td>2.3m to 3.4m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>4</td>
<td>Sagar Manna Road By Lane</td>
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<td>XIV</td>
<td>2.2m to 3.2m</td>
<td>0.775m to 0.850m</td>
</tr>
<tr>
<td>5</td>
<td>Upendra Nath Banerjee</td>
<td>600</td>
<td>XIV</td>
<td>9.1m to 10.0m</td>
<td>1.300m</td>
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<tr>
<td>6</td>
<td>Maya Dasi Road By lane</td>
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<td>XIV</td>
<td>2.1m to 3.2m</td>
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<tr>
<td>7</td>
<td>Kartick Das Road</td>
<td>250</td>
<td>XIV</td>
<td>2.6m to 4.2m</td>
<td>0.775m</td>
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</tbody>
</table>

17. No additional land other than KMC/public road RoW will be required for the proposed laying of sewer pipelines and no structure will be affected due to the civil work undertaken. Laying of sewer pipelines has been carefully planned to minimize disturbance to pedestrians and traffic and avoid income loss to businesses. Potential temporary impacts\(^2\) to traffic/access to shops and residences due to digging and excavation for pipe laying are possible during

\(^2\) Potential temporary impacts were assessed on the basis of transect walks through roads in proposed sewer laying area under the subproject.
construction; however, these will be mitigated by ensuring access to properties through provision of pedestrian planks, provision of adequate signage, and careful traffic management. Though no mobile hawkers were found along the internal roads where the S&D work will be implemented, if any such cases are reported during implementation, they will be assisted to move to nearby locations to ensure that their business remains uninterrupted. No income loss is anticipated.

Figure 1: Proposed Coverage Area under Subproject TR-02 / SD 14
Figure 2: Google Earth Map depicting the Proposed Components under TR-2/SD 14
V. CONCLUSIONS

A. Summary and Conclusion

18. No significant IR impacts are assessed as proposed civil works will be within the ROW of government roads. Temporary disruption to road users, pedestrians and community members due to pipe-laying and construction of manholes will be avoided by adopting simple mitigation measures, such as planks for pedestrian access to residences and shops, and traffic management. Since the subproject is proposed along the ROW of public (KMC) roads, KEIIP does not need to seek permission prior to construction.

19. Budgetary provision is made for costs likely to be incurred by the PMU for updating of this due diligence report (INR 50,000), for consultation, communication and grievance redress (INR 100,000), and for contingencies @ 15% (INR 22,500), i.e, a total of INR 172,500.

B. Next Steps

20. The DDR needs to be updated by PMU prior to start of civil work in sections ready for construction, and findings reconfirmed through transect walks, surveys and consultations. Any unforeseen impacts need to be documented, along with compensation and mitigation as per the Entitlement Matrix of the approved RF undertaken. Any grievances of the public or consent given by the public need to be carefully recorded/documentated, database maintained with photographic documentation of the before, during and after implementation status of each road stretch, and actions taken to avoid/mitigate adverse impacts. ADB approval needs to be obtained prior to start of construction.
PHOTOGRAPHS
Photographs of Community Consultation at Parui Das Para of KMC Ward No. 129, under subproject TR – 02 / SD - 14

Photographs of Transect Walk (TR- 2/ SD 14)
Summary of Community Consultation

A brief report on Community Consultation at Parui Daspara Nabapally

Date: 24.11.2015
Venue: Parui Das Para (Nabapally), Ward No. 129

An open air Community Consultation meeting was held on 24th Nov 2015 at Parui Das Para for information dissemination and exchange of views for the proposed S&D Work under package SD-014 of Project 2, KEIIP.

The Consultation programme was organized by Social Safeguard Cell of KEIIP. The meeting was conducted in the presence of Staff of Safeguard Monitoring Cell, KEIIP, Social Safeguard Expert and Engineer, DSC. A total of 22 participants comprising 18 (82%) female and 4 (18%) male participants were present. The programme continued for about 1 hour. Information was shared regarding the proposed project.

All the female participants were housewives, while the male participants included businessmen, employees in government or private entities and retired persons.

Discussions held:

- Introduction of KEIIP as an initiative of Kolkata Municipal Corporation with the financial support of Asian Development Bank for arresting the degradation of Kolkata’s environment, as well as its adjoining areas.
- Need and scope of work of KEIIP.
- Underground S&D work to be taken up at Ward No 129 under package SD 14 of Project 2.
- No major adverse impact on structures, livelihood, transportation and any other utilities like electricity, water supply etc. anticipated
- Technical information such as diameter of pipes to be laid along the road, flow of water etc.
- Importance of public participation and public awareness.
- Long-term benefits of the project.
- Phase wise implementation of the project.
- Water supply work likely to be started after completion of sewer line laying.
- Impact of the project on the environment, reducing the chance of water contamination etc.
- Tentative date of project implementation commencement.
- Arrangements proposed before commencement of work, like public information, shifting of utilities etc.
- KMC is planning to undertake a water supply project in Joka and adjoining areas which are now at the planning stage. The project will address the problem of scarcity of drinking water in these areas.
- Cooperation of local residents is required during project implementation.
- A grievance redressal cell will be formed by KEIIP at every Borough Office to mitigate any grievances of residents during project implementation.
Issues raised by participants:

- Likely date of commencement of project work and duration.
- Water logging during heavy rains in the monsoons.
- Existing water supply line can be damaged during S&D work.
- Public awareness generation is necessary to ensure that garbage is not thrown into “catch pits”, which leads to blocking of the drains.
- Scarcity of drinking water in the area also needs to be addressed.
## Participants List

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of Participants</th>
<th>Contact No, if any</th>
<th>Signature</th>
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<tbody>
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<td>11.</td>
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<tr>
<td>13.</td>
<td>Pradip Das</td>
<td>9038063437</td>
<td>P-DAS</td>
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<td>15.</td>
<td>Biswanath Dutta</td>
<td>9339612631</td>
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<td>16.</td>
<td>Samit Manna</td>
<td>9239112681</td>
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<tr>
<td>17.</td>
<td>Debashree Mukhopadhy</td>
<td>9830132977</td>
<td>Devashree Ch Mukhopadhy</td>
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<td>18.</td>
<td>Sudita Dutta</td>
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<td>Lakshmi Honda</td>
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<td>Aparna Manna</td>
<td>9239112686</td>
<td>Aparna Manna</td>
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## Participants List

**Name of place (Ward No)**

**Date**

<table>
<thead>
<tr>
<th>Sl.No</th>
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<th>Contact No, if any</th>
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<tr>
<td>21.</td>
<td>Padmabati Jyoti</td>
<td>- do -</td>
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<tr>
<td>22.</td>
<td>Gomai Das</td>
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